

# RAW SEQUENCE LISTING

## PATENT APPLICATION US/09/490,700

DATE: 11/14/2001  
TIME: 00:51:36

INPUT SET: S36666.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

1 use upper-case letters SEQUENCE LISTING  
2  
3  
4

(1) General Information *for heading*

Does Not Comply  
Corrected Diskette Needed

- (i) APPLICANT: *↑ move up - all responses must be on same line as heading*
- ~~(A) NAME: NOVIMMUNE S.A. - c/o MEDABIOTECH SA~~
  - ~~(B) STREET: 26 boulevard Helvétique~~
  - ~~(C) CITY: GENEVA~~
  - ~~(D) COUNTRY: SWITZERLAND~~
  - ~~(E) POSTAL CODE (ZIP): CH 1207~~

(ii) TITLE OF INVENTION: METHODS FOR DIAGNOSIS AND THERAPY OF  
AUTOIMMUNE DISEASE, SUCH AS INSULIN DEPENDENT DIABETES  
MELLITUS, INVOLVING RETROVIRAL SUPERANTIGENS

(iii) NUMBER OF SEQUENCES: 46

(iv) CORRESPONDENCE ADDRESS:  
(A) ADDRESSEE:  
(B) STREET:  
(C) CITY:  
(D) STATE:  
(E) COUNTRY:  
(F) ZIP:

(v) ~~(iv)~~ COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: Floppy disk
- (B) COMPUTER: IBM PC compatible
- (C) OPERATING SYSTEM: PC-DOS/MS-DOS
- (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

(vi) ~~(v)~~ CURRENT APPLICATION DATA:

- (A) APPLICATION NUMBER: ~~PCT/EP~~
- (B) FILING DATE:

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 25 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid

- (A) DESCRIPTION: /desc = "DNA (synthetic)"

(ix) FEATURE:

*add these  
mandatory  
headings  
and  
responses  
for a U.S.  
case*

*EPO format is  
invalid for a  
U.S. case*

*insert*

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/490,700DATE: 11/14/2001  
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INPUT SET: S36666.raw

47 (A) NAME/KEY: misc\_feature  
48 (B) LOCATION:1..25  
49 (D) OTHER INFORMATION:/note= "page 11"  
50  
51

52 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
53

54 TTTTGTAGTC CCCTTAGTAT TTATT  
55  
56  
57  
58

25

59 (2) INFORMATION FOR SEQ ID NO: 2:  
60

61 (i) SEQUENCE CHARACTERISTICS:

62 (A) LENGTH: 20 base pairs  
63 (B) TYPE: nucleic acid  
64 (C) STRANDEDNESS: single  
65 (D) TOPOLOGY: linear  
66

67 (ii) MOLECULE TYPE: other nucleic acid

68 (A) DESCRIPTION: /desc = "Synthetic DNA"  
69  
70

71 (ix) FEATURE:

72 (A) NAME/KEY: misc\_feature  
73 (B) LOCATION:1..20  
74 (D) OTHER INFORMATION:/note= "page 26"  
75  
76

77 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
78

79 ATCCAACAAC CATGATGGAG  
80  
81  
82  
83

20

84 (2) INFORMATION FOR SEQ ID NO: 3:  
85

86 (i) SEQUENCE CHARACTERISTICS:

87 (A) LENGTH: 21 base pairs  
88 (B) TYPE: nucleic acid  
89 (C) STRANDEDNESS: single  
90 (D) TOPOLOGY: linear  
91

92 (ii) MOLECULE TYPE: other nucleic acid

93 (A) DESCRIPTION: /desc = "Synthetic DNA"  
94  
95

96 (ix) FEATURE:

97 (A) NAME/KEY: misc\_feature  
98 (B) LOCATION:1..21  
99 (D) OTHER INFORMATION:/note= "page 26"

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/490,700DATE: 11/14/2001  
TIME: 00:51:37

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100  
101  
102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
103  
104 TCTCGTAAGG TGCAAATGAA G 21  
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109 (2) INFORMATION FOR SEQ ID NO: 4:  
110  
111 (i) SEQUENCE CHARACTERISTICS:  
112 (A) LENGTH: 21 base pairs  
113 (B) TYPE: nucleic acid  
114 (C) STRANDEDNESS: single  
115 (D) TOPOLOGY: linear  
116  
117 (ii) MOLECULE TYPE: other nucleic acid  
118 (A) DESCRIPTION: /desc = "synthetic DNA"  
119  
120  
121 (ix) FEATURE:  
122 (A) NAME/KEY: misc\_feature  
123 (B) LOCATION: 1..21  
124 (D) OTHER INFORMATION: /note= "PAGE 26"  
125  
126  
127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
128  
129 GTAAAGGATC AAGTGCTGTG C 21  
130  
131  
132  
133  
134 (2) INFORMATION FOR SEQ ID NO: 5:  
135  
136 (i) SEQUENCE CHARACTERISTICS:  
137 (A) LENGTH: 22 base pairs  
138 (B) TYPE: nucleic acid  
139 (C) STRANDEDNESS: single  
140 (D) TOPOLOGY: linear  
141  
142 (ii) MOLECULE TYPE: other nucleic acid  
143 (A) DESCRIPTION: /desc = "synthetic DNA"  
144  
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147  
148 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
149  
150 CTTTACAAAG CAGTATTGCT GC 22  
151  
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RAW SEQUENCE LISTING  
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## (2) INFORMATION FOR SEQ ID NO: 6:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 23 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: other nucleic acid

- (A) DESCRIPTION: /desc = "synthetic DNA"

## (ix) FEATURE:

- (A) NAME/KEY: misc\_feature
- (B) LOCATION:1..23
- (D) OTHER INFORMATION:/note= "RT 1a page 50"

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

YAAATGGMGW AYGTAACAG ACT

23

## (2) INFORMATION FOR SEQ ID NO: 7:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 23 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: other nucleic acid

- (A) DESCRIPTION: /desc = "Synthetic DNA"

## (ix) FEATURE:

- (A) NAME/KEY: misc\_feature
- (B) LOCATION:1..23
- (D) OTHER INFORMATION:/note= "RT 1b page 50"

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

YAAATGGMGW AYGTAAGT ACT

23

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/490,700DATE: 11/14/2001  
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206 (2) INFORMATION FOR SEQ ID NO: 8:  
207  
208 (i) SEQUENCE CHARACTERISTICS:  
209 (A) LENGTH: 28 base pairs  
210 (B) TYPE: nucleic acid  
211 (C) STRANDEDNESS: single  
212 (D) TOPOLOGY: linear  
213  
214 (ii) MOLECULE TYPE: other nucleic acid  
215 (A) DESCRIPTION: /desc = "synthetic DNA"  
216  
217  
218  
219  
220 (ix) FEATURE:  
221 (A) NAME/KEY: misc\_feature  
222 (B) LOCATION:1..28  
223 (D) OTHER INFORMATION:/note= "RT 2a-nested page 50"  
224  
225  
226 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
227  
228 CGTCTAGAGC CTCTCCGGCA TGATCCCC 28  
229  
230  
231  
232  
233 (2) INFORMATION FOR SEQ ID NO: 9:  
234  
235 (i) SEQUENCE CHARACTERISTICS:  
236 (A) LENGTH: 28 base pairs  
237 (B) TYPE: nucleic acid  
238 (C) STRANDEDNESS: single  
239 (D) TOPOLOGY: linear  
240  
241 (ii) MOLECULE TYPE: other nucleic acid  
242 (A) DESCRIPTION: /desc = "synthetic DNA"  
243  
244  
245 (ix) FEATURE:  
246 (A) NAME/KEY: misc\_feature  
247 (B) LOCATION:1..28  
248 (D) OTHER INFORMATION:/note= "RT 2b-nested page 50"  
249  
250  
251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
252  
253 CGTCTAGAGC CTCTCCGGCA TGATCCCA 28  
254  
255  
256  
257  
258 (2) INFORMATION FOR SEQ ID NO: 10:

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/490,700**DATE: 11/14/2001  
TIME: 00:51:38**INPUT SET: S36666.raw**

Line	Error	Original Text
5	Mandatory Value Not Present	(i) APPLICANT:
6	Unknown or Misplaced Identifier	(A) NAME: NOVIMMUNE S.A.- c/o MEDABIOTECH SA
7	Unknown or Misplaced Identifier	(B) STREET: 26 boulevard Helv tique
8	Unknown or Misplaced Identifier	(C) CITY: GENEVA
9	Unknown or Misplaced Identifier	(E) COUNTRY: SWITZERLAND
10	Unknown or Misplaced Identifier	(F) POSTAL CODE (ZIP): CH 1207

PAGE: 1

**SEQUENCE MISSING ITEM REPORT**  
**PATENT APPLICATION US/09/490,700**

DATE: 11/14/2001  
TIME: 00:51:38

*INPUT SET: S36666.raw*

ADDRESSEE  
STREET  
CITY  
STATE  
COUNTRY  
ZIP  
CORRESPONDENCE ADDRESS  
APPLICATION NUMBER  
FILING DATE  
CLASSIFICATION  
APPLICATION NUMBER  
FILING DATE  
PRIOR APPLICATION DATA